

Transportation

"Providing the highest quality integrated transportation services for economic benefit and improved quality of life."



A Healthy Economy Relies on Good Highways

- 36% of US/Canada trade flows through Michigan
- \$860 billion in freight is moved each year on Michigan's highways, rail air, & water ports
- Trucking accounts for 73% of all freight tonnage moved in Michigan
- 80% of Michigan tourism is auto-based



All Transportation Supports the Economy

- Operation of bus transit systems contribute an estimated \$740 million to the economy each year
- Passenger rail is expected to generate between \$1.0-1.5 billion in net economic benefit annually
- Aviation contributes more than \$20 billion/year
- Bicycling provides an estimated \$668 million/year in economic benefit



Michigan's Multi-Modal Transportation System



- 120,000 route miles of roads
- 11,700 bridges
- 3,600 miles of rail
- 235 public use airports
- 5 intercity bus routes
- 3 passenger rail routes

Multiple Modes, Varied Oversight



- 700+ public & private agencies
- 617 road agencies
- 80 transit agencies
- 18 air carrier airports
- 33 active cargo ports

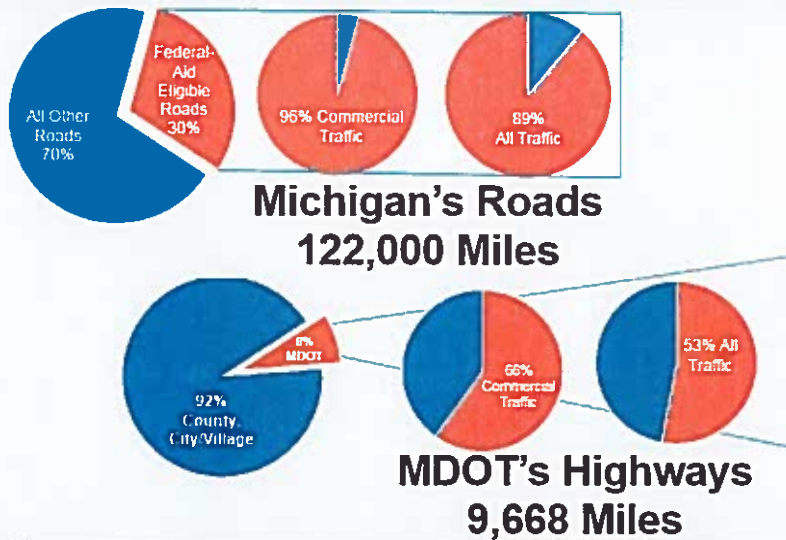
When To Call MDOT



- 9,668 route miles of "I," "M," & "U.S." routes
- 4,773 bridges on state routes
- 665 miles of rail
- 4 state owned airports
- 85 roadside parks
- 78 rest areas
- 135 miles of passenger rail
- Over 50 miles of bikeways, 3,168 miles paved shoulders, 3 U.S. Bike Routes

MDOT's I, US & M routes carry 50% of all traffic & 65% of commercial traffic.

Michigan's Road Network



Measuring Performance

- Michigan Dashboard
- Infrastructure Dashboard
- MDOT's Scorecard
- MDOT System Measures
- Asset Management Council
- FHWA Stewardship Agreement



For More Information:
www.michigan.gov/midashboard
www.michigan.gov/mdot

2017 Performance Excellence Plan

Provides an overview of strategies, goals, performance measures, & initiatives MDOT will focus on to ensure effectiveness & efficiency of operations.



Performance Excellence Plan

Fiscal Year Beginning October 1, 2016

[Performance Excellence Plan](#)

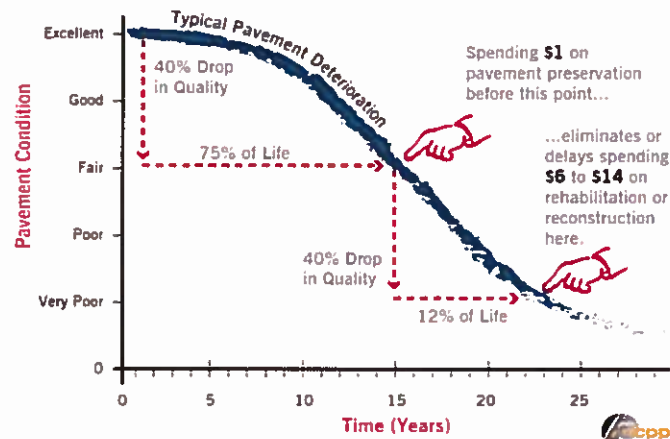
Saving Money

- Over \$596.5 million saved through efficiencies & innovations from 2010-2015
 - Asset management
 - Energy efficiency
 - Safety
 - Performance measures
 - Construction warranties
 - Innovative contracts
 - Innovative finance
 - New technologies
 - Partnerships



Michigan is a Pioneer in Asset Management

PAVEMENT PRESERVATION IS COST EFFECTIVE



Leaner & Smarter

- Leveraging Partnerships
 - Contractors/Consultants
 - University Research
 - Local Agencies
 - Other State Agencies
 - Other States/Provinces



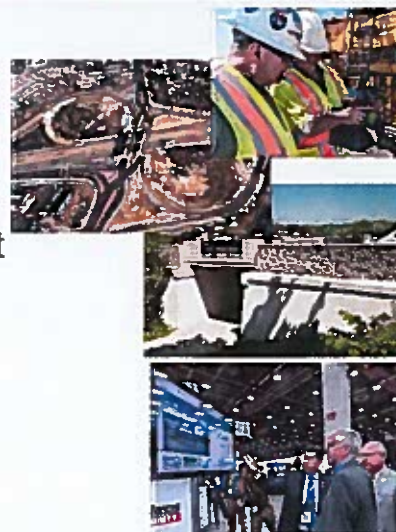
Michigan is a Transportation Leader

- Nationally recognized
 - Asset management
 - Context-sensitive solutions process
 - Performance measurement
 - Received 37 national awards since 2010



Michigan is a Transportation Innovator

- Performance warranties
- e-Construction
- Accelerated Bridge Construction
- Carbon Fiber Reinforcement
- Diverging Diamond Interchanges
- Innovative Materials
- MiBridge Bridge Inspection/Management system



Automotive Mobility Innovation

planetm

SENATE BILL No. 996
 To amend the Michigan Vehicle Code to provide for the operation of self-driving vehicles on public roads, and to provide for the operation of self-driving vehicles on public roads.

SENATE BILL No. 997
 To amend the Michigan Vehicle Code to provide for the operation of self-driving vehicles on public roads, and to provide for the operation of self-driving vehicles on public roads.

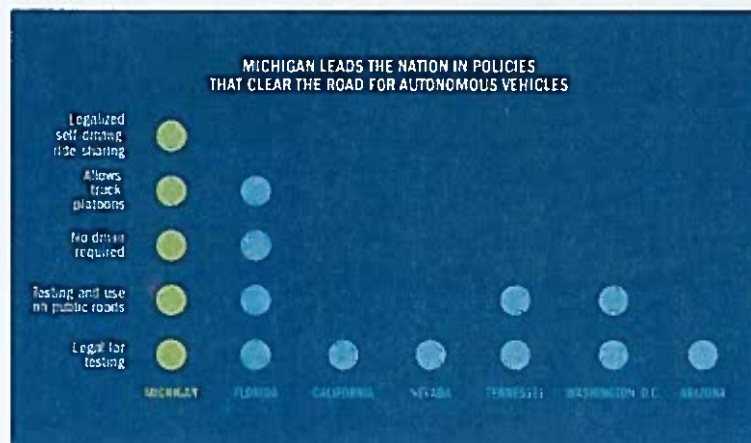
SENATE BILL No. 998
 To amend the Michigan Vehicle Code to provide for the operation of self-driving vehicles on public roads, and to provide for the operation of self-driving vehicles on public roads.

SENATE BILL No. 999
 To amend the Michigan Vehicle Code to provide for the operation of self-driving vehicles on public roads, and to provide for the operation of self-driving vehicles on public roads.

REPRESENTATIVE SELF-DRIVING VEHICLE TEST SCENARIOS
 Michigan
 Florida
 California
 Nevada
 Tennessee
 Washington D.C.
 Arizona

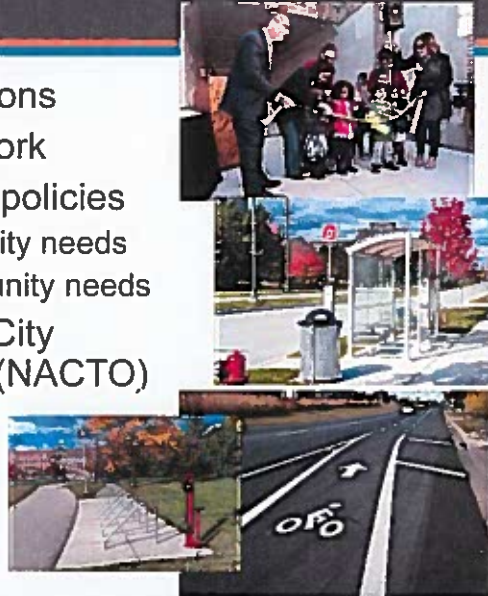
DRAFT SITE LAYOUT - AMERICAN CENTER FOR MOBILITY

National AV Leader



Local Collaboration

- Context Sensitive Solutions
- Nonmotorized trail network
- Local Complete Streets policies
 - MDOT facilitating community needs
 - CSS responding to community needs
- National Association of City Transportation Officials (NACTO) guidelines
- Trunkline Main Streets



MDOT 2016 Year in Review



Where do we stand?

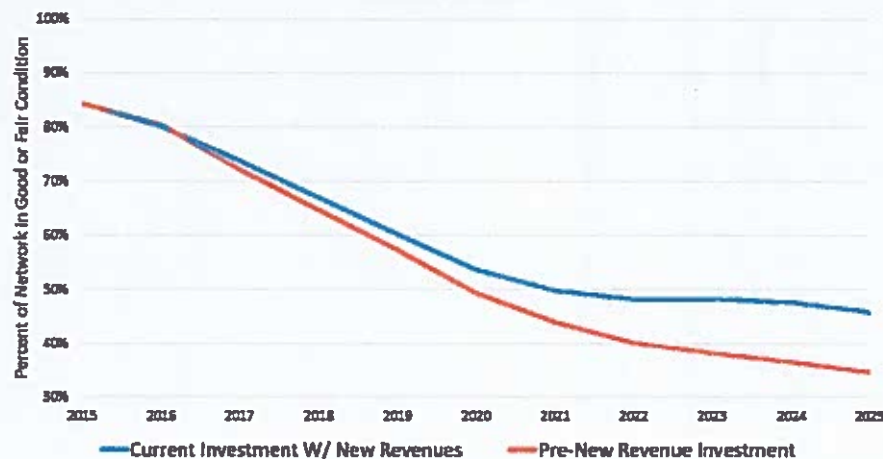
State Trunkline Condition

Year	% Good/Fair Condition
2010	91%
2011	89%
2012	87%
2013	86%
2014	85%
2015	84%

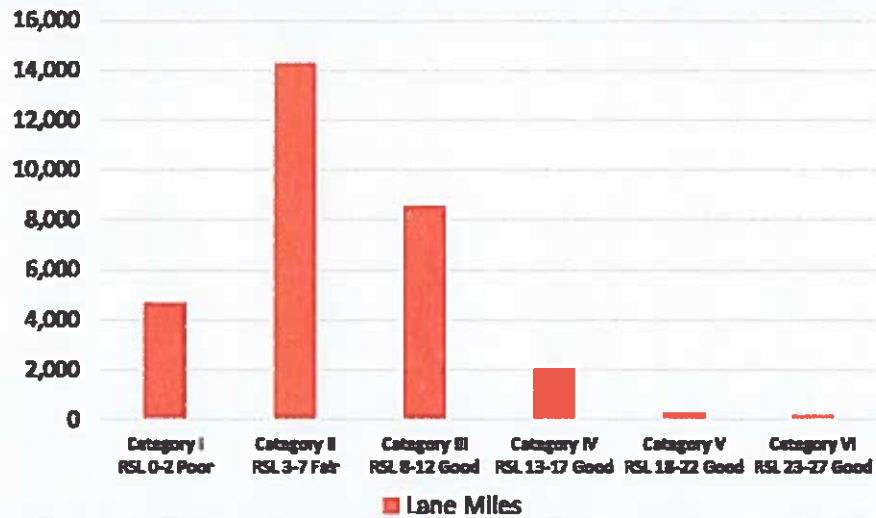


MDOT State Highway Projected Pavement Condition; Current Investment (Including New Revenue)

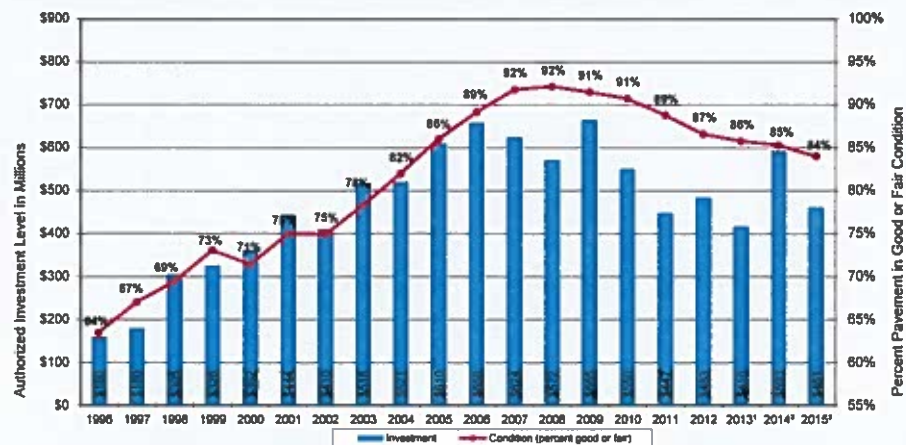
2015-2025



2015 MDOT Highway Pavement Condition by Lane Miles



MDOT Pavement Only Program Investment Vs. Pavement Condition

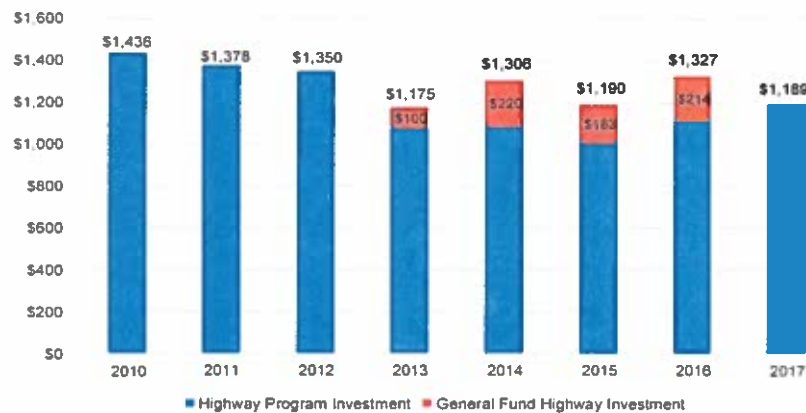


*Due to a change in reporting requirements, \$60 M in work on trunkline pavement was reported in FY2012 but not built until FY2013.

†2014 investment includes \$48 M of additional general fund state revenue. See Finance spreadsheet: FY2014 One Time Revenue Report.

‡2015 investment includes \$32M of additional general fund state revenue.

MDOT Highway Capital Program Investment



Transportation Funding

(Reflects 1st year estimates of state revenue increase)

Approximate Annual MTF Revenue Fiscal 2017

State Road-User Fees

Vehicle registration taxes	\$1,189
Gasoline taxes	\$1,086
Diesel fuel taxes	\$218
Other	\$42
Total State Revenue	\$2,535

Federal-Aid for roads	\$1,085
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Transportation Funding

(Reflects 1st year estimates of state revenue increase)

Transportation Distribution Fiscal 2017

State Restricted Funds

State highways	\$874 M
Local roads	\$1,351 M
Public transportation	\$223 M

Federal-Aid for Roads

State highways (75%)	\$814 M
Local roads (25%)	\$271 M

Transportation Bonding

- Constitution allows pledging MTF revenue for bonds – not general obligation of the state
- State Transportation Commission authorizes each bond issue with notice to legislature
- Bonding can only be used for capital projects on the bond project list
- Debt service based restricted transportation revenue is limited to:
 - 50% based on the Constitution and 25% based on Commission Policy

Outstanding Debt is \$1.578B

- CTF - \$115M
- STF - \$846M
- GARVEE - \$617M
- FY 17 Debt Service is \$238M

State Revenue Package Non-Monetary Provisions

- Administrative Expenses: MDOT administrative expenses limited to 8% of budget
- Pavement Warranties: Projects over \$2 million
- Competitive Bidding: All agencies required to competitively bid projects more than \$100,000
- Longer-lived Pavements: MDOT reported on constructing longer-lived pavements; completed report can be found at: https://www.michigan.gov/documents/mdot/RoadsInnovationTaskForceReport_515824_7.pdf
 - SB 879 passed as result changing threshold for lifecycle cost analysis

We're positioned to serve . . .



www.michigan.gov/mdot

We're here to help...

<u>Lansing Office</u> 425 W. Ottawa Lansing, MI 48933 Phone: 517-373-2114	<u>North Region Office</u> 1088 M-32 East Gaylord, MI 49735 Phone: 989-731-5090
<u>Bay Region Office</u> 5859 Sherman Road Saginaw, MI 48604 Phone: 989-754-7443	<u>Southwest Region Office</u> 1501 E. Kilgore Road Kalamazoo, MI 49001 Phone: 269-337-3900
<u>Grand Region Office</u> 1420 Front Ave., N.W. Grand Rapids, MI 49504 Phone: 616-451-3091	<u>Superior Region Office</u> 1818 Third Ave. North Escanaba, MI 49829 Phone: 906-786-1800
<u>Metro Region Office</u> 18101 W. Nine Mile Road Southfield, MI 48075 Phone: 248-483-5100	<u>University Region Office</u> 4701 W. Michigan Ave. Jackson, MI 49201 Phone: 517-750-0401

Other Resources

- www.michigan.gov/mdot
- **Facebook:**
www.facebook.com/MichiganDOT
- **Twitter:** Statewide -
www.twitter.com/MichiganDOT
- **YouTube:** www.youtube.com/MichiganDOT





